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CLMPTO 08/10/04 JW

Cancel Claims 1-10

Add New Claims 11-43

11. (New) A method, comprising:

assigning a private network-network interface (PNNI) peer group identification to a device to be coupled with an asynchronous transfer mode (ATM) network based on a manufacturer of the device and a product group to which the device belongs; and

auto-configuring the device at a point of manufacture with an ATM address using the assigned PNNI peer group identification.

12. (New) The method of claim 11, wherein the PNNI peer group identification includes a two bit field indicating manufacturer.
13. (New) The method of claim 11, wherein the PNNI peer group identification includes a four bit field indicating product group.

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14. (New) The method of claim 11, wherein the ATM address includes a switch identification field identifying a switch to which the device will be connected or a default switch.
15. (New) The method of claim 14, wherein the switch identification field can be altered at a point of installation.
16. (New) The method of claim 14, wherein the switch identification field consists of a media access control (MAC) address.
17. (New) The method of claim 14, wherein the switch identification field consists of six bytes.
18. (New) The method of claim 11, wherein the ATM address includes a device identification field unique to the device.
19. (New) The method of claim 18, wherein the device identification field can be altered at a point of installation.
20. (New) The method of claim 18, wherein the device identification field consists of a media access control (MAC) address.

21. (New) The method of claim 18, wherein the device identification field consists of six bytes.
22. (New) A machine-readable storage medium tangibly embodying a sequence of instructions executable by the machine to perform a method comprising:

assigning a private network-network interface (PNNI) peer group identification to a device to be coupled with an asynchronous transfer mode (ATM) network based on a manufacturer of the device and a product group to which the device belongs; and

auto-configuring the device at a point of manufacture with an ATM address using the assigned PNNI peer group identification.
23. (New) The machine-readable storage medium of claim 22, wherein the PNNI peer group identification includes a two bit field indicating manufacturer.

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24. (New) The machine-readable storage medium of claim 22, wherein the PNNI peer group identification includes a four bit field indicating product group.
25. (New) The machine-readable storage medium of claim 22, wherein the ATM address includes a switch identification field identifying a switch to which the device will be connected or a default switch.
26. (New) The machine-readable storage medium of claim 25, wherein the switch identification field can be altered at a point of installation.
27. (New) The machine-readable storage medium of claim 25, wherein the switch identification field consists of a media access control (MAC) address.
28. (New) The machine-readable storage medium of claim 25, wherein the switch identification field consists of six bytes.

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29. (New) The machine-readable storage medium of claim 22, wherein the ATM address includes a device identification field unique to the device.
30. (New) The machine-readable storage medium of claim 29, wherein the device identification field can be altered at a point of installation.
31. (New) The machine-readable storage medium of claim 29, wherein the device identification field consists of a media access control (MAC) address.
32. (New) The machine-readable storage medium of claim 29, wherein the device identification field consists of six bytes.
33. (New) A device, comprising:

an asynchronous transfer mode (ATM) communications component to communicate on an ATM network;

a memory storage component to store an ATM address, which includes a private network-network interface (PNNI) peer group identification based on a manufacturer of the device and

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a product group to which the device belongs, to facilitate communication on the ATM network;

an interface to allow the manufacturer of the device to input the ATM address into the memory storage component at a point of manufacture automatically.

34. (New) The system of claim 33, wherein the PNNI peer group identification includes a two bit field indicating manufacturer.
35. (New) The system of claim 33, wherein the PNNI peer group identification includes a four bit field indicating product group.
36. (New) The system of claim 33, wherein the ATM address includes a switch identification field identifying a switch to which the device will be connected or a default switch.
37. (New) The system of claim 36, wherein the switch identification field can be altered at a point of installation.

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38. (New) The system of claim 36, wherein the switch identification field consists of a media access control (MAC) address.
39. (New) The system of claim 36, wherein the switch identification field consists of six bytes.
40. (New) The system of claim 33, wherein the ATM address includes a device identification field unique to the device.
41. (New) The system of claim 40, wherein the device identification field can be altered at a point of installation.
42. (New) The system of claim 40, wherein the device identification field consists of a media access control (MAC) address.
43. (New) The system of claim 40, wherein the device identification field consists of six bytes.